chanhvinh.com



# Bulgin's range of high quality rocker switches includes a huge choice of single and double contact options available in various sizes, colours, terminations, actuator types and ratings up to 20A, 277Vac, allowing for virtually any design configuration.

- Available types: Ultra-thin, Miniature, Twin unit, Miniature round and Standard
- Rating from 10A, 250V ac up to 20A, 277V ac
- Single & double contact variants available
- Push-on, solder & PCB terminals
- Illuminated and non-illuminated options
- High in-rush (ON-OFF types)
- Matching Indicators
- Splash resistant options
- Choice of bezel styles and sizes, panel cut-outs and actuators
- Choice of switching circuits including 3 position



chanhvinh.com

# 8800 Thinline Rocker Switches

10A 250Vac



## Key Features

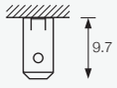
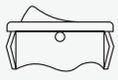
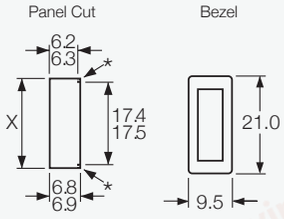
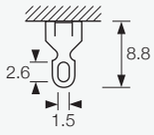
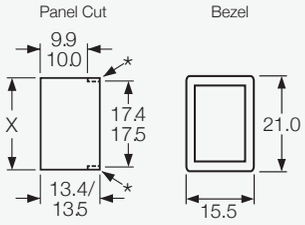
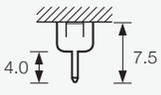
- Ultra thin rocker switch
- Ratings up to 15A, 250Vac
- Single and twin gang
- Panel cut out:
  Single 19.3 x 6.8
  Twin 19.3 x 13.4

## Approvals and specifications

6(2) A 250 V AC 5E4 T100
10(6) A 250 V AC 1E4 T100
Inrush 10/50 A 250 V AC 1E4 T100

UL 15A 250Vac (Twin unit is 10A 250Vac)
UL 125Vac 1/2hp
UL 100°C, CSA file LR10990

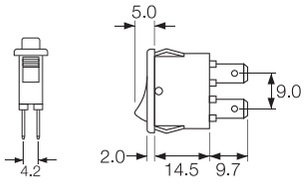
3mm contact gap.

| Terminal | Function | Rocker | Body | Body Colour | Rocker Colour |
|---|---|---|---|---|---|
| **H**<br><br> | <br><br>Switches are ON when pressed over terminal 1<br>**8800**<br><br>ON - OFF<br>Single contact |  | A. Single contact<br><br><br>*Optional profile for orientation | **B**<br>Black | **B**<br>Black |
| **T**<br><br> | <br><br>Switches are ON when pressed over terminal 1 or 3 | | B. Single contact - Twin<br><br><br>*Optional profile for orientation<br>Panel thickness / Dim X<br>0.75-1.2 / 19.1/19.2<br>1.25-1.99 / 19.3/19.4<br>2.00-3.00 / 19.7/19.8<br>Cut-outs must be punched in the direction of insertion | **R**<br>Red | **R**<br>Red |
| **X**<br><br> | **8800**<br><br>ON - OFF<br>Twin contact | | | **W**<br>White | **W**<br>White |

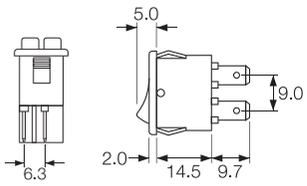
chanhvinh.com

## Dimensions

8800VA (H terminals shown)




8800V/8800VA (H terminals shown)




### Legend

—
Blank

**132**

### Legend Colour

—
Blank

**B**
Black

**W**
White

### Options

Finish
Matt finish only.

Colour
Call sales for custom colours.
A full range is available for large orders.

Legend printing
Select from the examples or call sales for custom legends.

## Examples


X8800VA


X8800VA
T8800VA - - -


X8800VA
T8800VA - - -


H8800V/H8800VA
T8800V/T8800VA


H8800V/H8800VA
T8800V/T8800VA

chanhvinh.com

# 8500 Rocker Switches - Miniature

15A 250Vac Single & Double Contact



## Key Features

- Miniature rocker switch
- Ratings up to 15A, 250Vac
- Single & double contact in same body size
- Illuminated & non-illuminated
- Matching indicators
- Industry standard panel cut-out
- Rotary and push button actuator options
- Panel cut out: 19.3 x 12.9

## Approvals and specifications

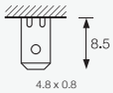
6(4) A, 250 VAC, 5E4, T125
10(6) A, 250 VAC, T125
10(6) A, 250 VAC, T100

UL 15A Non Ind 250Vac, 14A Ind 250Vac, 10A 277Vac
UL 250Vac 1/2hp, 125Vac 1/4hp
UL 105°C, (non lit)

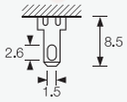
3mm contact gap.

## Terminal

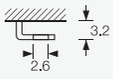
**H**




**K**

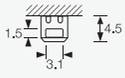



**L**

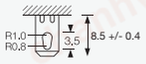



Right angle version of K terminal available on 8500 only

**R**




**T**




Solder

## Function




ON OFF Switches are ON when pressed over terminal 1

**8500**



ON - OFF
Single contact
(Uses terminals 1a & 2a)

**8503**



ON (lit) - OFF
Single contact

**8550**



ON - OFF
Double contact

**8553**



ON (lit) - OFF
Double contact

**8580**
**Available with H terminals only**

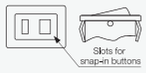


Indicator

UL/CSA E63363

## Rocker

**H** Slotted for custom caps




**R** Semi-rotary (not lit)



**D** Paddle lever (not lit)



**V** Curved (not lit)



**V** Curved (lit)



**X** Two colour (not lit)



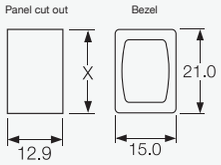
**A** Softline lens



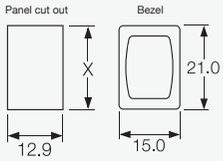
**P** Push button operation (8500 only)
See drawing opposite

## Body

**B** Standard body with terminal barrier




**BC** Body without terminal barrier




Dimensions for snap-in fixing

| Panel thickness | Dim X |
|---|---|
| 0.75-1.25 | 19.1/19.2 |
| 1.25-2.00 | 19.3/19.4 |
| 2.00-3.00 | 19.7/19.8 |

Cut-outs must be punched in the direction of insertion

## Body Colour

**B**
Black

**R**
Red

**W**
White

## Rocker Colour

Un-Lit

**B**
Black

**R**
Red

**W**
White

Lit

**A**
Amber

**G**
Green

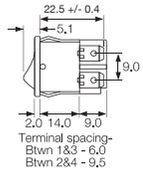
**C**
Clear

**R**
Red

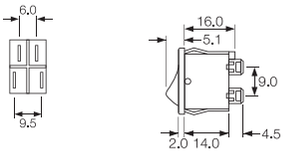
chanhvinh.com

## Dimensions

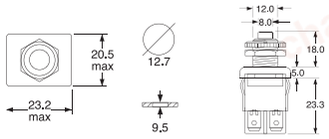
"B" body with barrier for H, T and K terminals




"BC" body w/o barrier primarily for L or R terminals (can be used for all terminals)




'PO' Actuator and body - push button function (8500 only)




### Insert Colour

**X**
Rocker Only

**R**
Red

**W**
White

**—**
Leave blank for other Rocker types

### Lamp Voltage

**—**
Blank

**2**
125V Neon

**3**
250V Neon

**7**
12V Filament

**8**
24V Filament

### Legend

**—**
Blank

**076**

### Legend Colour

**—**
Blank

**B**
Black

**W**
White

### Options

Finish
Matt finish only.

Colour
Call sales for custom colours. A full range is available for large orders.

Legend printing
Select from the examples or call sales for custom legends.

Lamp voltage
Call sales for details of available voltages.

Protective cover L167
Snaps on to bodies with V or X style rockers and A lens. This reduces panel thickness by 0.8mm.



## Examples



H8500VB - - -
T8500VB - - -



H8550VB - - -
T8550VB - - -



H8550HB - - -
T8550HB - - -



H8550XB - - -
T8550XB - - -



H8550RB Semi-rotary
A splash proofing option



H8500PO - - -
Pushbutton option



H8553VB - - -
T8553VB - - -



H8580AB - - -

chanhvinh.com

# 8600 Rocker Switches - Miniature

10A 250Vac Single & Double Contact

bulgin™ an INFINITE company



## Key Features

- Miniature rocker switch
- Ratings up to 16A, 250Vac
- Single & double Contact
- ON/OFF, C/O, biased and centre off switching
- Push on, solder and PCB terminals
- Illuminated and non illuminated
- Matching indicators
- Panel cut out single: 19.3 x 12.9 double: 19.3 x 21.9

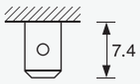
## Approvals and specifications

- 10(4)A 250Vac T90 (unless noted below)
- UL See ratings below UL 65°C, file E45221

3mm contact gap except where marked µ.

## Terminal

**H**



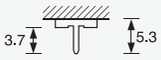

4.8 x 0.8

**T**




3.5 x 0.8
Solder

**X**




PCB
0.8Sq

Double Contact switches with "X" terminals are supplied without terminal barriers

## Function

Approvals & ratings vary with function




ON OFF Switches are ON when pressed over terminal 3




**8600**
10(4)A
16A 250V, 10A 277V
1/2HP 277V,1/4HP 125V
ON - OFF

**8650**
10(4)A
10A 277V
1/2HP 277V,1/4HP 125V
ON - OFF

**8601**
6(1)A
16A 250V, 6A 277V
ON - OFF
(momentary ON)

**8651**
6(1)A
6A 277V
ON - OFF
(momentary ON)

**8602**
10A
6A 277V
ON - OFF
(momentary OFF)

**8652**
10(4)A
6A 277V
ON - OFF
(momentary OFF)

**N/A**
ON - OFF
Lit

**8653**
10(4)A
6A 277V
ON - OFF
Lit

**8610**
6(1)A
10A 277V
1/2HP 277V,1/4HP 125V
ON - ON

**8660**
6(1)A
10A 277V
1/2HP 277V,1/4HP 125V
ON - ON

**8611**
6A 277V
ON - ON
(momentary 1 side)

**8661**
6A 277V
ON - ON
(momentary 1 side)

* 8611 and 8661 not covered by ENEC

**8620 µ**
ON - OFF - ON

**8670 µ**
ON - OFF - ON

**8630**
6(1)A
UL E63363
CSA LR29381

**N/A**

Indicators

## Rocker

**V** Curved



**V** Curved (lit)



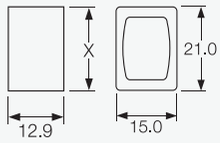
**F** Flat Indicator only (Single contact)



## Body

**B** Single Contact

Panel cut out / Bezel



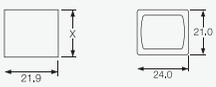

Single Contact dimensions for snap-in fixing

| Panel thickness | Dim X |
|---|---|
| 0.75-1.25 | 19.1/19.2 |
| 1.25-1.99 | 19.3/19.4 |
| 2.00-3.00 | 19.7/19.8 |

**B** (Double Contact) with terminal barrier

**BC** (Double Contact) w/o terminal barrier

Panel cut out / Bezel




Double Contact dimensions for snap-in fixing

| Panel thickness | Dim X |
|---|---|
| 0.75-1.24 | 19.1/19.2 |
| 1.25-1.99 | 19.3/19.4 |
| 2.00-3.00 | 19.7/19.8 |

Cut-outs must be punched in the direction of insertion

## Body Colour

**B** Black

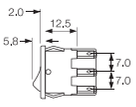
**R** Red

**W** White

chanhvinh.com

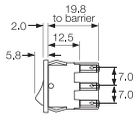
## Dimensions

Single contact




Terminals shown
are "H" 4.8 push on type

Double contact




Terminal spacing
10.2 between contact centres

### Rocker Colour

Un-Lit

**B** Black

**R** Red

**W** White

Lit

**A** Amber

**G** Green

**C** Clear

**R** Red

### Lamp Voltage

— Blank

**2** 125V Neon

**3** 250V Neon

**7** 12V Filament

**8** 24V Filament

### Legend

— Blank

**076**

### Legend Colour

— Blank

**B** Black

**W** White

### Options

Finish
Matt finish only.

Colour
Call sales for custom colours.
A full range is available for large orders.

Legend printing
Select from the examples or call sales for custom legend.

Lamp voltage
Call sales for details of available voltages.

Blanking plate A8634FB
Dummy unit to fill unused panel holes.
Single contact size only.

Protective covers
L167 for SP
L180 for DP
Snap on to bodies with V rocker or F lens. This reduces panel thickness by 2.2mm.



Single Contact options
Most switches shown can have single contact switching in double contact bodies.

## Examples



H8600VB - - -
T8600VB - - -



H8600VB - - -
T8600VB - - -



H8630FB - - -
T8630FB - - -



H8650VB - - -
T8650VB - - -



H8660VB - - -
T8660VB - - -



H8653VB - - -
T8653VB - - -

chanhvinh.com

# 8620 & 8670 Rocker Switches

3 Positions - 10A 250Vac





H8620VB ---
T8620VB ---



H8670VB ---
T8670VB ---



## Key Features

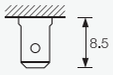
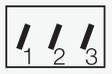
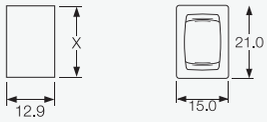
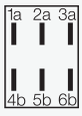
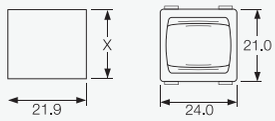
- 3 position miniature rocker switch
- Ratings up to 15A, 250Vac
- Single & double Contact
- Centre off switching
- Push on, solder and PCB terminals
- Matching indicators
- Panel cut out: single: 19.3 x 12.9 double: 19.3 x 21.9

## Approvals and specifications

10(4)A 250Vac T90

UL 15A 277Vac (Single Contact)
UL 250Vac 1/2hp (Single Contact)
UL 125Vac 1/4hp (Single Contact)
UL 10A 277Vac (Double Contact)
UL 277Vac 1/2hp (Single & Double Contact)
UL 90°C

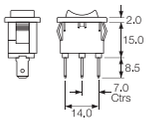
µ contact gap.

| Terminal | Function | Rocker | Body | Body Colour | Rocker Colour |
|---|---|---|---|---|---|
| **H**<br><br>4.8 x 0.8 | <br>**8620**<br><br>ON - OFF - ON<br>Single Contact | **V**<br><br>Curved | **B** Single Contact<br><br>Panel thickness / Dim X<br>0.75-1.24 / 19.1/19.2<br>1.25-1.99 / 19.3/19.4<br>2.00-3.00 / 19.7/19.8 | **B**<br>Black<br>**R**<br>Red<br>**W**<br>White | Lit (DP)<br>**A**<br>Amber<br>**C**<br>Clear<br>**G**<br>Green<br>**R**<br>Red |
| **T**<br><br>Solder | <br>**8670**<br><br>ON - OFF - ON<br>Double Contact | **H**<br><br>Slotted for actuator<br>(8620 only) | **B** Single Contact - Twin<br><br>Panel thickness / Dim X<br>0.75-1.24 / 19.1/19.2<br>1.25-1.99 / 19.3/19.4<br>2.00-3.00 / 19.7/19.8<br>Cut-outs must be punched in the direction of insertion | | Lit (DP)<br>**B**<br>Black<br>**R**<br>Red<br>**W**<br>White |
| **X**<br><br>PCB 0.8sq<br>Double Contact switches with X terminals are supplied without terminal barriers | | | | | |

chanhvinh.com

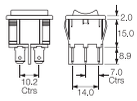
## Dimensions

Single Contact



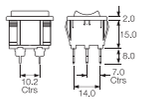

Terminals shown
are "H" 4.8 push on type

Double Contact




Terminal spacing
10.2 between Contact centres

Double Contact




Terminal spacing
10.2 between Contact centres

### Lamp Voltage

— Blank

**2** 125V Neon

**3** 250V Neon

**7** 12V Filament

**8** 24V Filament

### Legend

— Blank

**076**

### Legend Colour

— Blank

**B** Black

**W** White

### Options

Finish
Matt finish only.

Colour
Call sales for custom colours.
A full range is available for large orders.

Legend printing
Select from the examples or call sales for custom legend.

Lamp voltage
Call sales for details of available voltages.

Blanking plate A8634FB
Dummy unit to fill unused panel holes.
Single Contact size only.

Protective covers
L167 for SP
L180 for DP
Snap on to bodies with V rocker or F lens. This reduces panel thickness by 2.2mm.



Single Contact options
Most switches shown can have single Contact switching in double Contact bodies.

chanhvinh.com

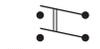
# 1250 Rocker Switches

10A 250Vac





C1250AP ---

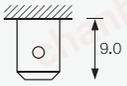
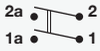
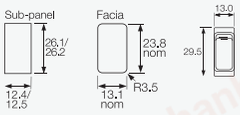
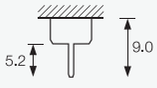
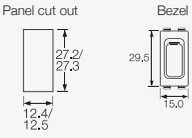


C1250AN ---



## Key Features

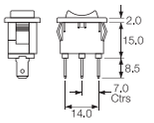
- Standard rocker switch
- Double Contact in single Contact body
- Snap in or sub panel mount
- Integral terminal barrier
- Push on or PCB terminals
- Panel cut out:
  27.2 x 12.4 (snap in)
  26.3 x 12.4 (sub panel mount)

| Terminal | Function | Rocker | Body | Body Colour | Rocker Colour |
|---|---|---|---|---|---|
| **C**<br><br>6.3 x 0.8 | <br>On when pressed over terminal 1<br>**1250**<br><br>ON - OFF<br>Double Contact<br>Contacts are 9.0mm between centres. | **A** Curved<br><br>Shown in N body | **N**<br>Panel cut-out / Bezel<br><br>Panel thickness / Dim X<br>0.75-1.24 / 26.1/26.2<br>1.25-1.99 / 26.3/26.4<br>2.00-3.00 / 26.7/26.8 | **B**<br>Black<br>**W**<br>White | **B**<br>Black<br>**W**<br>White |
| **X**<br><br>PCB 0.8sq<br>(N body only) | <br>On when pressed over terminal 1<br>**1250SP**<br><br>ON - OFF<br>Single Contact | <br>Shown in P body | **P**<br>Panel cut out / Bezel<br><br>Panel thickness<br>0.75-3.00<br>Cut-outs must be punched in the direction of insertion | | **G**<br>Grey |

chanhvinh.com

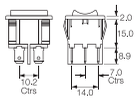
## Dimensions

1250AN
(C terminals shown)



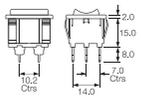

Terminals shown
are "H" 4.8 push on type

1250AN
(X terminals shown)




Terminal spacing
10.2 between Contact centres

1250AP
(C terminals shown)




Terminal spacing
10.2 between Contact centres

## Approvals and specifications

10(6)A 250Vac T100
6A 400Vac T100
1A 30Vdc

UL 10A 250Vac
UL 16A 250Vac Resistive
UL 125Vac 1/2hp
UL 1A 30Vdc
UL 100°C

3mm contact gap

## Legend

—
Blank

**085**

## Legend Colour

—
Blank

**B**
Black

**W**
White

## Options

Finish
Matt finish only.

Colour
Call sales for custom colours.
A full range is available for large orders.

Legend printing
Select from the examples or call sales for custom legend.

chanhvinh.com

# 7500 Rocker Switches

30A 250Vac



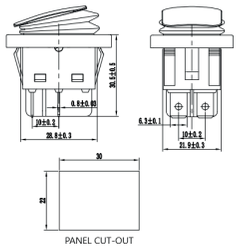
## Key Features

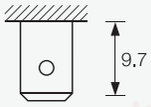
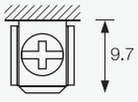
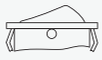
- IP68 Rated
- Rated to 30A at 250V
- Available colours:
  - Transparent: Red, Green, Blue, Yellow, White,
  - Solid: Black
- Termination options: Screw Terminal, 6.3 X 0.8mm solder tab / Push fit
- Switch functions available: ON-OFF, ON-ON, ON-OFF-ON.
- Panel Cut Out - 30mm x 22mm

## Approvals and specifications

30A 125/250VAC, T125, 5E4 (50,000 Cycles)
20A 125/250VAC, T125, 5E4 (50,000 Cycles)
16A 125/250VAC, T125, 5E4 (50,000 Cycles)
(Solder Connections Only)

UL = 30A 250Vac, 40T85, 1E4 (10,000 cycles)
8(12) 125Vac, 40T85, 1E4 (10,000 Cycles)
cUL = 30A 250Vac, 40T85, 1E4 (10,000 cycles)




| Terminal | Function | Rocker | Lamp Voltage | Rocker Colour |
|---|---|---|---|---|
| **C**<br><br>6.3 x 0.8mm<br>ENEC rated, solder connections only<br>**S**<br><br>Screw & Clamp<br>Rated to cULus only | **7510**<br><br>ON - OFF<br>**7520**<br><br>ON - ON<br>**7530**<br><br>ON - OFF - ON | **T**<br>Transparent<br><br>**S**<br>Solid<br> | **000**<br>No LED<br>**012**<br>12V<br>**024**<br>24V<br>**110**<br>110V<br>**250**<br>250V | Illuminated (DP)<br>**R**<br>Red<br>**G**<br>Green<br>**B**<br>Blue<br>**Y**<br>Yellow<br>**W**<br>White<br>**K**<br>Black<br>Non-Illuminated<br>(DP) |

chanhvinh.com

| General Specifications | |
|---|---|
| | **Electrical** |
| Voltage | 250VAC |
| Current | 30A |
| Insulation Resistance | ≥50MΩ/500VDC |
| Power-Frequency Withstand Voltage | AC1500v 10s |
| Durability | UL: 10,000 cycles \| ENEC: 50,000 cycles |
| Operating Temperature | UL: -40oC to 85oC \| ENEC: 125oC max |
| Switch Contact Configuration | Double Pole |
| | **Technical** |
| Panel Mount Cut-Out | 22mm X 30mm Square |
| Max Panel Thickness | 2.5mm |
| Terminal Material | Brass (Silver Plated) |
| Body Material | PA66 Nylon |
| | |
| Approvals | UL (File Number: E45221) |
| IP Rating | IP68 |

chanhvinh.com

# 6000 SP Splash Resistant Rocker Switches

16A 250Vac



## Key Features

- Ratings up to 20A, 277Vac
- Positive switch action
- Distinctive styling
- Illuminated & nonilluminated
- Single Contact
- Panel cut out: 30.1 x 11.1mm

## Approvals and specifications

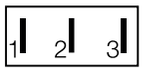
European 16(4)A 250Vac T125, 10A 400Vac T125

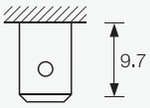
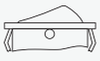
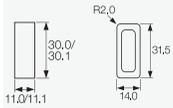
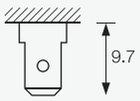
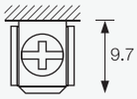
UL = 20A 277Vac, 1 1/2HP 250Vac 1HP 125Vac
cUL = 20A 277Vac, 1HP 125Vac, 1/2HP 125Vac

3mm contact gap with Positive Break switching.
Call factory for IP details.

## Vary with Function

Approvals & ratings vary with function
ON OFF Switches - ON when pressed over terminals 3.




| Terminal | Function | Rocker | Body | Body Colour | Rocker Colour | Lamp Voltage |
|---|---|---|---|---|---|---|
| **C**<br><br>6.3 x 0.8 | **6000**<br>ON - OFF | **A**<br>Softline Matt<br> | **L**<br>Panel cut-out ** Bezel<br><br>Cut-outs must be punched in the direction of insertion | **B**<br>Black | Lit (DP)<br>**A**<br>Amber | **—**<br>Blank |
| **H**<br><br>4.8 x 0.8 | **6001**<br>ON - OFF<br>(momentary ON) | | | **W**<br>White | **C**<br>Clear | **2**<br>125V Neon |
| **S**<br><br>Screw & Clamp<br>N/A for assemblies<br>with 3 terminals | **6002**<br>ON - OFF<br>(momentary OFF) | **A**<br>Softline Matt<br> | | | **G**<br>Green | **3**<br>250V Neon |
| | **6003**<br>ON - OFF Lit | | | | **R**<br>Red | **5**<br>12Vdc LED (P Rocker) |
| | **6008**<br>ON - OFF Lit<br>(Unswitched neutral) | **P**<br>Lit window Matt<br> | | | Lit (DP)<br>**B**<br>Black | **6**<br>24Vdc LED (P Rocker) |
| | **6009**<br>ON - OFF<br>(momentary ON) Lit<br>(Unswitched neutral) | | | | **R**<br>Red | **7**<br>12V Filament |
| | **6010**<br>ON - ON | | | | **W**<br>White | **8**<br>24Vdc Filament |
| | **6011**<br>ON - ON<br>(momentary 1 side) | | | | | |

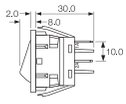
chanhvinh.com

## Integral Splash Resistance



Current carrying parts are protected from moisture.
Droplets which may enter the switch are channelled out through ports in the switch body.
For IP65 see options below

## Dimensions




Panel thickness
**L** 0.75 to 2.5mm

| Legend | Legend Colour | Options |
|---|---|---|
| — Blank | — Blank | **G74** Protective Cover |
| **1223** | **B** Black | Finish<br>Matt is standard.<br><br>Colour<br>Call sales for custom colours. A full range is available for large orders.<br><br>Legend printing<br>Select from the examples or call sales for custom legends.<br><br>Lamp voltage<br>Call sales for details.<br><br>Protective cover<br>A snap on cover is available (add G after body code), this reduces panel thickness by 2mm. |
| | **W** White | <br><br>Panel sealing washer W46 is available, this reduces panel thickness by 1.2mm.<br><br>Covers are not suitable for momentary types. For all options call the factory |

## Examples


C6000AL - - -


C6000AL - - -


C6010AL - - -


C6003AL - - -


C6003PL - - -


C6030AL - - -

chanhvinh.com

# 6050 DP Splash Resistant Switches

& Twin Switches - 16A 250Vac



## Key Features

- Ratings up to 20A, 277V ac
- Positive switch action
- Distinctive styling
- Illuminated & non-illuminated
- Double Contact
- DC LED Illumination Avaliable
- Panel cut out: 30.1 x 22.2mm

## Approvals and specifications

European 16(4)A 250Vac T125, 10A 400Vac T125

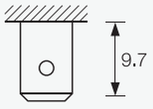
UL (except 6054 & 6055 Swtiches) 20A 277Vac, 250Vac 11/2hp, 125Vac 1hp

UL 100°C

3mm contact gap with Positive Break switching.

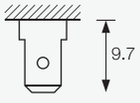
## Terminal

**C**



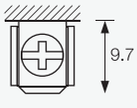

6.3 x 0.8

**H**




4.8 x 0.8

**S**




Screw & Clamp
N/A for assemblies with 3 terminals

## Function

**6050**
ON - OFF

**6051**
ON - OFF
(momentary ON)

**6052**
ON - OFF
(momentary OFF)

**6053**
ON - OFF Lit

**6054**
ON - OFF
(momentary ON)
Lit

**6055**
ON - OFF (Single Contact)
(momentary ON) Lit

**6056**
ON - OFF (Single Contact)
Isolated light

**6057**
ON - OFF
Isolated light

**6058**
ON - OFF
(Single Contact) Lit

**6059**
ON - OFF (Single Contact)
(momentary ON)
Isolated light

**6060**
ON - ON

**6061**
ON - ON
(momentary 1 side)

**6062**
2 Circuit ON - ON
(In house tests only)

**6066**
ON - ON (Single Contact)
Isolated light

**6067**
ON - ON
Lit

**6068**
ON - ON 1 Contact
ON - OFF Lit 1 Contact

**6090**
ON - OFF 1 Contact
ON - OFF Lit 1 Contact

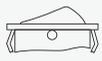
**6091**
ON - OFF
(momentary ON) Lit

**6092**
ON - OFF 1 Contact
ON - ON 1 Contact Lit

Circuits are Double Contact unless described otherwise

## Rocker

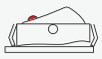
**A**
Softline Matt



**A**
Softline Matt



**P**
Lit window Matt

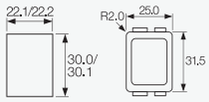




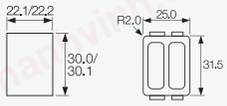
Lit window

## Body

**L**
Double Contact
Panel cut-out ** Bezel




**L**
Twin units
Contact sales for information on splash resistance and IP ratings




## Body Colour

Lit (DP)

**A**
Amber

**C**
Clear

**G**
Green

**R**
Red

Un-Lit (DP)

**B**
Black

**R**
Red

**W**
White

chanhvinh.com

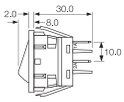
## Integral Splash Resistance



Current carrying parts are protected from moisture. Droplets which may enter the switch are channelled out through ports in the switch body.

For IP65 see options below

## Dimensions

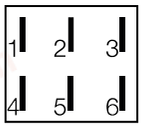



Panel thickness
**L** 0.75 to 2.5mm

Terminal spacing - Contacts 10.5 between centres

## Vary with Function

Approvals & ratings vary with function
ON OFF Switches - ON when pressed over terminals 3 & 6.



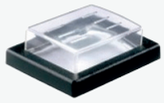

| Rocker Colour | Lamp Voltage | Legend | Legend Colour | Options |
|---|---|---|---|---|
| **B** Black | — Blank | — Blank | — Blank | **G72** Protective Cover |
| **R** Red | **2** 125V Neon | **1223** | **B** Black | |
| **W** White | **3** 250V Neon | | **W** White | |
| | **5** 12Vdc LED (P Rocker) | | | |
| | **6** 24Vdc LED (P Rocker) | | | |
| | **7** 12V Filament | | | |
| | **8** 24Vdc Filament | | | |

**Finish**
Matt is standard.

**Colour**
Call sales for custom colours.
A full range is available for large orders.

**Legend printing**
Select from the examples or call sales for custom legends.

**Protective cover**
The 6050 series is a water through design. For a higher level of sealing, a snap on cover is available (add G after body code).
This reduces panel thickness by 1mm.



Panel sealing washer W42 is available. This reduces panel thickness by 1.00mm. Covers are not suitable for momentary types.

**IP Ratings**
Call the sales for details.

**Terminal Link P1067**
connects the Contacts of a double Contact switch or twin unit.

# Mounting orientation may affect IP rating.

## Examples


C6050AL - - -


C6053AL - - -


C6053PL - - -


C6000A/C6000AL


C6003P/C6003PL


C6003P/C6030AL

chanhvinh.com

# 1500 Standard & 1300 High Inrush Switches

150A to EN61058-1 and 16A 250Vac



## Key Features

- Standard rocker switch
- Non-illuminated
- 150A inrush
- Choice of switching circuits including 3 position
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Single Contact
- Splash resistant option
- DC LED Illumination Avaliable for “P“ Rocker
- Panel cut out ‘A’ style: 27.3 x 12.3mm

## Approvals and specifications

1500 Series 16(4)A 250Vac T125 **(European Approvals Pending)**

UL 16A Non Ind 250Vac, (2 posn) 250Vac 1hp, 125Vac 1/2hp, (3 posn) 250Vac 1/2hp, 125Vac 1/4hp
1330 36Vdc 14A
1350 72 Vdc 7A
1500 & 1510 14 Vdc 10A
UL 85°C

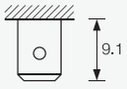
**In house test:**
10A 24Vdc—Indicative rating only

1300 Series 16(4)A 250Vac T125 5E4 (50,000 Ops)
150A Inrush to EN61058-1

UL 20A 250Vac 1hp, 125Vac 1/2hp
UL 85°C

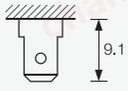
## Terminal

**C**



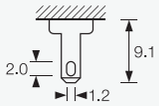

6.3 x 0.8

**H**



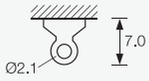

4.8 x 0.8*

**K**



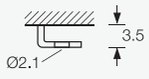

2.8 x 0.8*

**T**



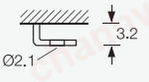

Solder

**U**




Right angle “T” solder terminal

**X**




PCB 0.8Sq*
*N/A for 1300 series

## Function

### Standard 1500
ON - OFF

### 1501
HP rating N/A
ON - OFF (momentary ON)

### 1502
HP rating N/A
ON - OFF (momentary OFF)

### 1510 µ
HP rating N/A
ON - ON

### 1511 µ
HP rating N/A
ON - ON (momentary 1 side)

### 1520 µ
125V & 250V 1/2 HP
H terminal rated T100 only
ON - OFF - ON

### 1521 µ
HP rating N/A
H terminal rated T100 only
ON - OFF - ON (momentary 1 side)

### 1522 µ
HP rating N/A
H terminal rated T100 only
ON - OFF - ON (momentary 2 sides)

### 0430 (Indicator)
HP rating N/A
H terminal rated T100 only

### 1484
In-house tested to 10(3)A 250Vac
3 position selective

### 1487
In-house tested to 10(3)A 250Vac
3 position selective

### High Inrush 1300
ON - OFF

## Rocker

**A** Softline Matt

**B** Splash resistant (with Arcshield) Matt

**H** Slotted (for custom Adaptors) not momentary

**V** Curved Matt or gloss

**W** Splash resistant (with Arcshield) Matt

**X** Two colour Matt ON - OFF only (not momentary)

**F** Flat lens Gloss (0430 only)

**A** Softline lens Matt (0430 only) as F but with raised profile

## Body

Panel cut-out Bezel

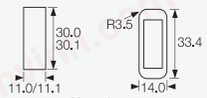
Cut-outs must be punched in the direction of insertion

**A**



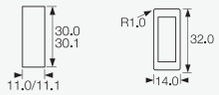

Gloss or Matt

**B**



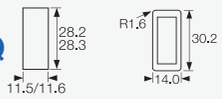

Matt only

**L**



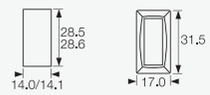

Matt only

**Q**



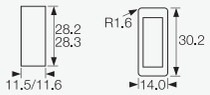

Gloss or matt

**R**




Matt only

**T**




Matt only

## Finish

**M** Matt

**G** Gloss

Applies to both Rocker & Body

## Body Colour

**B** Black

**R** Red

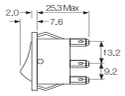
**W** White

chanhvinh.com

**In house test:**
20A 24Vdc—Indicative rating only

3mm contact gap except if marked µ.

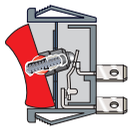
## Dimensions




Panel thickness
A,Q 0.75 to 3.3mm
L,B,T 0.75 to 2.5mm
R 0.75 to 3.0mm

## Splash Resistance

**1500 W and B splash resistant options**
Feather edge seals and a close fitting collar protect current carrying parts from moisture.
B option has Hytrel collar/seals for enhanced protection.



**1300 High inrush, positive break switching**
The 1300 series mechanism ensures contact welds formed at switch-on are positively separated by the plunger tube acting directly on the step in the moving contact.

| Rocker Colour | Lamp Voltage | Insert Colour | Legend | Legend Colour | Options |
|---|---|---|---|---|---|
| Un-Lit | — Blank | — Blank | — Blank | — Blank | |
| **B** Black | **2** 125V Neon | **R** Red | **602A** | **B** Black | |
| **R** Red | **3** 250V Neon | **W** White | | **W** White | |
| **W** White | **7** 12V Filament | | | | |
| Lit | **8** 24Vdc Filament | | | | |
| **A** Amber | | | | | |
| **C** Clear | | | | | |
| **G** Green | | | | | |
| **R** Red | | | | | |

**Finish**
Matt is standard.

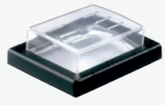
**Colour**
Call sales for custom colours.
A full range is available for large orders.

**Legend printing**
Select from the examples or call sales for custom legends.

**Lamp voltage**
Call sales for details.

**Blanking plates A0434 - -**
Dummy units to fill unused panel holes.

**Protective cover**
Snaps on to A, L, Q or T bodies (add G after body code in cat no.), this reduces panel thickness by 1mm.



Panel sealing washer W46 is available for the same body sizes, this reduces panel thickness by a further 0.8mm.
Covers are not suitable for momentary types.

For all options call sales.

## Examples


C1500AR - - -
T1500AR - - -


C1500AL - - -
T1500AL - - -


C1500XL - - -
T1500XL - - -


C1510AL - - -
T1510AL - - -


C1520AL - - -
T1520AL - - -


C0430AL - - -
T0430AL - - -

chanhvinh.com

# 5500 Lit Rocker Switches

10A 250Vac



## Key Features

- Standard rocker switch
- Illuminated
- Choice of switching circuits
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Single Contact
- Splash resistant option
- Panel cut out 'A' style:

## Approvals and specifications

16(4) A, 250 V ac, 50/60 Hz, IP40, 1E4, T85/55, micro disconnection
12 A, 250 V ac, 50/60 Hz, IP40, 1E4, T125/55, micro disconnection

UL 15A 250Vac, CSA 16A Non Ind 250Vac
UL 250Vac 1hp, 125Vac 1/2hp
UL 85°C

µ contact gap.

For Twin units repeat the order details for both the left and right sides.

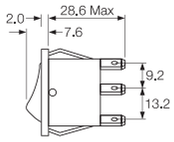
| Terminal | Function | Rocker | Body | Body Colour | Rocker Colour |
|---|---|---|---|---|---|
| **C**<br>9.1<br>6.3 x 0.8<br>**H**<br>9.1<br>4.8 x 0.8<br>**T**<br>7.0<br>Ø2.1<br>Solder | Approvals & ratings vary with function<br>ON OFF Switches<br>- ON when pressed over terminal 3<br>**5500 µ**<br>ON - OFF<br>Single Contact<br>**5503 µ**<br>ON - OFF<br>Lit<br>Switched neutral<br>**5508 µ**<br>ON - OFF<br>Lit<br>Unswitched neutral | **A**<br>Softline (Matt only)<br>**P**<br>Lit window (Matt only) | **A** Panel Cut - outs 27.2 27.3 12.2/12.3; Bezel 30.2 14.0<br>**B** 30.0 30.1 11.0/11.1; R3.5 33 14.0<br>**L** 30.0 30.1 11.0/11.1; R1.0 31.9 14.0<br>**Q** 28.2 28.3 11.5/11.6; R1.6 30.2 14.0<br>**R** 28.5 28.6 14.0/14.1; 31.5 17.0<br>**T** 28.2 28.3 11.5/11.6; R1.6 30.2 14.0 | **B**<br>Black<br>**W**<br>White | Un-Lit<br>**B**<br>Black<br>**R**<br>Red<br>**W**<br>White<br>Lit<br>**A**<br>Amber<br>**C**<br>Clear<br>**G**<br>Green<br>**R**<br>Red |

chanhvinh.com

## Dimensions

**Panel thickness**

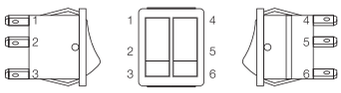
| | |
|---|---|
| **A,Q** | 0.75 to 3.3mm |
| **L,B,T** | 0.75 to 2.5mm |
| **R** | 0.75 to 3.0mm |




Terminal spacing -
Contacts 10.8 between centres (twin units)

**Twin units**

Two single switches or a switch and an indicator light can be assembled side by side in one double Contact body.
For 5500 range panel cut-out details (L, B and T) call sales.




For twin units the first set of order format details refer to the left hand unit, when looking at the front of the assembly. (This has terminal numbers 1, 2 & 3)

| Lamp Voltage | Legend | Legend Colour | Options |
|---|---|---|---|
| — Blank | — Blank | — Blank | Finish<br>Matt is standard. |
| **2** 125V Neon | **602A** | **B** Black | Colour<br>Call factory for custom colours.<br>A full range is available for large orders. |
| **3** 250V Neon | | | Legend printing<br>Select from the examples or call factory for custom legends. |
| **5** 12Vdc LED (P Rocker) IF = 20-30mA | | **W** White | Lamp voltage<br>Call factory for details. |
| **6** 24Vdc LED (P Rocker) IF = 20-30mA | | | Blanking plate A0434 - - (SP) A0494 - - (DP)<br>Dummy units to fill unused panel holes. |
| **7** 12V Filament | | | Protective cover<br>Snaps on to A, L, Q or T bodies (add G after body in cat no.), this reduces panel thickness by 1.00mm. |
| **8** 24Vdc Filament | | | <br>Panel sealing washers W46 (Single Contact) and W42 (Double Contact) are available for these body types, this reduces panel thickness by 2mm.<br>For all options call the factory. |

## Examples


C5503AL - - -


C5500AL - - -


C5503PL - - -


C5503A/C5430AL


C5503A/C5503AL


C5503P/C5503PL

chanhvinh.com

# 1500 Twin Units Switches and Indicators

16A 250Vac



## Key Features

- Twin unit rocker switch
- Choice of switching circuits including 3 position
- Push-on, solder and PCB terminals
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Single Contact switches
- Splash resistant option
- Panel cut out 'A' style: 27.2 x 22.3mm

## Approvals and Specifications

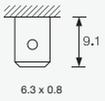
16(4)A 250Vac T125 **(Pending)**

UL 16A 250Vac
UL (2 posn) 250Vac 1hp, 125Vac 1/2hp, (3 posn) 250 Vac
1/2hp, 125Vac 1/4hp
UL 85°C

For versions with High Inrush or for 50,000 operations,
3mm contact gap except where marked µ.

### Terminal

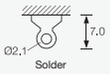
**C**



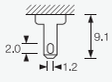

**H**



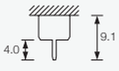

**T**




**K**




**X**




### Function

Approvals & ratings vary with function ON OFF Switches - ON when pressed over terminal 1 or 4




**1500**



ON - OFF

**1510 µ**



ON - ON

**1520 µ**



ON - OFF - ON

**0430**



Indicator

### Rocker

**A**
Softline (Matt only)



**B**
Softline (Matt only)



**W**
Softline (Matt only)



**X**
Softline (Matt only)



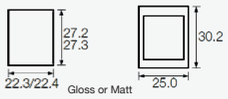
**A**
Softline (Matt only)



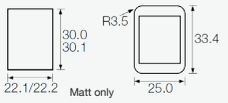
### Body

Panel Cut - outs Bezel

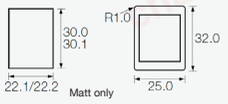
**A**



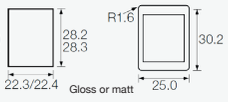

**B**



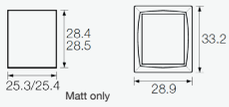

**L**



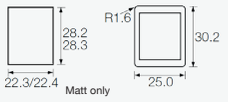

**Q**




**R**




**T**




### Finish

**M**
Matt

**G**
Gloss

Applies to both Rocker & Body

### Body Colour

**B**
Black

**W**
White

### Rocker Colour

Un-Lit

**B**
Black

**R**
Red

**W**
White

Lit

**A**
Amber

**C**
Clear

**G**
Green

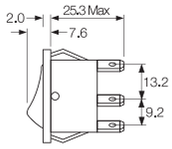
**R**
Red

chanhvinh.com

## Dimensions

**Panel thickness**

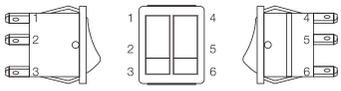
| | |
|---|---|
| **A,Q** | 0.75 to 3.3mm |
| **L,B,T** | 0.75 to 2.5mm |
| **R** | 0.75 to 3.0mm |




Call sales for terminal spacing details

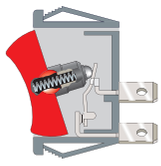
**Twin units**

Two single switches or a switch and an indicator light can be assembled side by side in one double Contact body.




For twin units the first set of order format details refer to the left hand unit, when looking at the front of the assembly.
(This has terminal numbers 1, 2 & 3)

## Splash Resistant



Feather edge seals and a close fitting collar protect current carrying parts from moisture.

B option has Hytrel collar/ seals for enhanced protection.

| Insert Colour | Lamp Voltage | Legend | Legend Colour | Options |
|---|---|---|---|---|
| — Blank | — Blank | — Blank | — Blank | **Finish**<br>Matt is standard. |
| **R** Red | **2** 125V Neon | **602A** | **B** Black | **Colour**<br>Call factory for custom colours. A full range is available for large orders. |
| **W** White | **3** 250V Neon | | **W** White | **Legend printing**<br>Select from the examples or call factory for custom legends. |
| | **5** 12Vdc LED (P Rocker) | | | **Lamp voltage**<br>Call factory for details. |
| | **6** 24Vdc LED (P Rocker) | | | |
| | **7** 12V Filament | | | |
| | **8** 24Vdc Filament | | | |

## Examples



C1500A/C1500AL



C1500A/C0430AL



C1500X/C1500XL



C1520A/C1510AL



C1500A/C1520AL



C0430A/C0430AL

chanhvinh.com

# 1550 Standard and 1350 High Inrush Switches

150A to EN61058-1 and 16A 250Vac



## Key Features

- Standard rocker switch
- 1350/53 high inrush
- Choice of switching circuits including 3 position
- Push-on, solder and PCB terminals
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Double Contact
- Splash resistant option
- Panel cut out 'A' style: 27.2 x 22.3mm

## Approvals and specifications

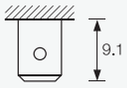
1550 Series 16(4)A 250Vac T125 **(Pending)**

UL 16A 250Vac, (2 posn) 250Vac 1hp, 125Vac 1/2hp, 1350 72 Vdc 7A
(3 posn) 250 Vac 1/2hp, 125Vac 1/4hp.
UL 85°C

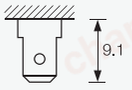
**In house test:**
10A 24Vdc—Indicative rating only. NB Types fitted with Neon will not illuminate for low DC voltage applications.

1330 Series 16(6)A 250Vac T125 5E4 (50,000 Ops)
1350 Series 16(6)A 250Vac T125 5E4 (50,000 Ops)
150A Inrush to EN61058-1.

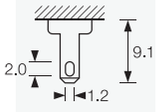
## Terminal

**C**


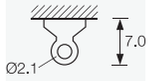
6.3 x 0.8

**H**


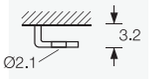
4.8 x 0.8*

**K**


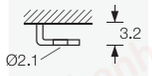
2.8 x 0.8*

**T**


Solder

**U**


Right angle "T" solder terminal

**X**


PCB 0.8Sq*

## Function

**Standard 1550**

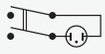
ON - OFF

**1551**
HP rating N/A

ON - OFF
(momentary ON)

**1552**
HP rating N/A

ON - OFF
(momentary OFF)

**1553**
Not W, X or B rocker

ON - OFF
Lit

**1560 µ**

ON - ON

**1561 µ**
HP rating N/A

ON - ON
(Momentary 1 Side)

**1562 µ**
In house tests only

2 Circuit
ON - ON

**1570 µ**
125V & 250V 1/2 HP
H terminal rated T100 only H terminal rated T100 only

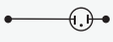
ON - OFF - ON

**1571 µ**
HP rating N/A
H terminal rated T100 only

ON - OFF - ON
(momentary 1 side)

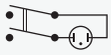
**1572 µ**
HP rating N/A
H terminal rated T100 only

ON - OFF - ON
(momentary 2 sides)

**0480**
X terminal N/A


**High Inrush 1350**
Not W, X or B rocker

ON - OFF

**1353**
Not W, X or B rocker

ON - OFF
Lit

**High Inrush 1300**
ON - OFF

## Rocker

**A**
Softline Matt


**B**
Splash resistant Softline

**V** Curved

Matt or Gloss
Gloss only
Lit (not momentary)

**W** Splash resistant Curved

**P** Lit window Matt

Lit (not momentary)

**X** Two colour Matt

(ON OFF only - not momentary)

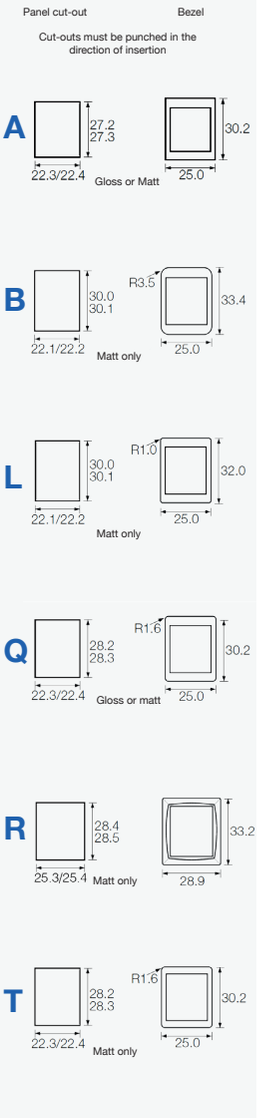
**R** Round


**F** Flat Lens Gloss (0480)



**A** Softline lens Matt (0480 only) as F but with raised profile


## Body



chanhvinh.com

## Approvals and specifications (continued)

UL 20A 250Vac 1hp, 125Vac 1/2hp.
UL 72Vdc 7A, 36Vdc 14A.
UL 85°C.

**In house test:**
20A 24Vdc—Indicative rating only

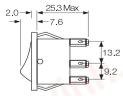
3mm contact gap except if marked μ.

## Splash Resistance



**1300 High inrush, positive break switching**
The 1300 series mechanism ensures contact welds formed at
switch-on are positively separated by the plunger tube acting directly
on the step in the moving contact.

## Dimensions




Panel thickness
A,Q 0.75 to 3.3mm
L,B,T 0.75 to 2.5mm
R 0.75 to 3.0mm

| Finish | Body Colour | Rocker Colour | Insert Colour | Lamp Voltage | Legend | Legend Colour |
|---|---|---|---|---|---|---|
| **M** Matt | **B** Black | Un-Lit<br>**B** Black | — Blank | — Blank | — Blank | — Blank |
| **G** Gloss | **W** White | **R** Red | **R** Red | **2** 125V Neon | **602A** | **B** Black |
| Applies to both Rocker & Body | | **W** White | **W** White | **3** 250V Neon | | |
| | | Lit<br>**A** Amber | | **5** 12Vdc LED (P Rocker) | | **W** White |
| | | **G** Green | | **6** 24Vdc LED (P Rocker) | | |
| | | **C** Clear | | **7** 12V Filament | | |
| | | **R** Red | | **8** 24Vdc Filament | | |

## Examples



C1350AL - - -



C1550XL - - -



C1553PL - - -



C1553RA ---
Shown with M614 bezel cover



Optional snap-in M441 barrier



C1553AA with M616 guard Cut-out 22.0/22.1 x 29.4/29.5 Guard accepts "A" body only



C0480RA ---
Shown with M614 bezel cover



C0480AL - - -

### Finish
Matt is standard.

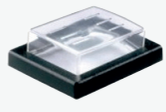
### Colour
Call sales for custom colours.
A full range is available for large orders.

### Legend printing
Select from the examples or
call sales for custom legends.

### Lamp voltage
Call sales for details.

### Blanking plates A0494
Dummy units to fill unused panel holes.

### Protective cover
Snaps on to A, L, Q or T bodies (add G after body in cat no). This reduces panel thickness by 1mm.



Panel sealing washer W42 is available for the above body sizes. This reduces panel thickness by a further 1.00mm.
Covers are not suitable for momentary types.

For all options call sales.

chanhvinh.com

# 1550 Standard & 1350 High Inrush Switches

150A to EN61058-1 and 16A 250Vac250Vac



## Key Features

- Standard rocker switch
- 1350/53 high inrush
- Choice of switching circuits including 3 position
- Push-on, solder and PCB terminals
- Choice of bezel styles
- Choice of panel cut outs
- Matching indicator
- Double Contact
- Option with guard & cover
- DC LED Illumination Available for "P" Rocker
- Bezel size 'G' style 32.0 x 25.0

## Approvals and specifications

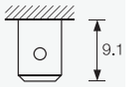
1550 Series 16(4)A 250Vac T125 **(Pending)**

UL 16A 250Vac, (2 posn) 250Vac 1hp, 125Vac 1/2hp,
(3 posn) 250 Vac 1/2hp, 125Vac 1/4hp.
UL 85°C.

1350 series 16(4)A 250Vac T125 1E4 (10,000 Ops.)
1330 series 16(6)A 250Vac T125 1E4 (10,000 Ops.)
150A Inrush to EN61058-1.

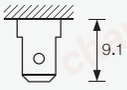
## Terminal

**C**



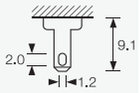

6.3 x 0.8

**H**



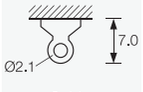

4.8 x 0.8*

**K**



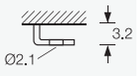

2.8 x 0.8*

**T**



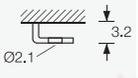

Solder

**U**




Right angle T Solder (Not DP)

**X**




PCB 0.8Sq*
*Contact sales for details on 1350 series

## Function

**Standard 1550**



ON - OFF

**1551**
HP rating N/A



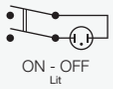
ON - OFF
(momentary ON)

**1552**
HP rating N/A



ON - OFF
(momentary OFF)

**1553**
Not W, X or B rocker



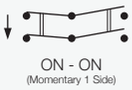
ON - OFF
Lit

**1560 µ**



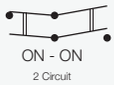
ON - ON

**1561 µ**
HP rating N/A



ON - ON
(Momentary 1 Side)

**1562 µ**
In house tests only



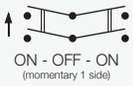
ON - ON
2 Circuit

**1570 µ**
125V & 250V 1/2 HP
H terminal rated T100 onlyH terminal rated T100 only



ON - OFF - ON

**1571 µ**
HP rating N/A
H terminal rated T100 only



ON - OFF - ON
(momentary 1 side)

**1572 µ**
HP rating N/A
H terminal rated T100 only



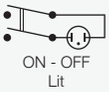
ON - OFF - ON
(momentary 2 sides)

**High Inrush 1350**
Not W, X or B rocker



ON - OFF

**1353**
Not W, X or B rocker



ON - OFF
Lit

**High Inrush 1300**
ON - OFF

## Rocker

**A** Softline Matt



**V** Curved



Matt or Gloss — Gloss only Lit (not momentary)

**P** Lit window Matt



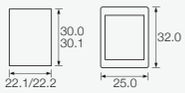
Lit (not momentary)

## Body

**H**

Panel cut-out — Bezel

Cut-outs must be punched in the direction of insertion




Matt only

**G**




Matt only

## Finish

**M** Matt

**G** Gloss

Applies to both Rocker & Body

## Body Colour

**B** Black

**W** White

## Rocker Colour

Un-Lit

**B** Black

**R** Red

**W** White

Lit

**A** Amber

**G** Green

**C** Clear

**R** Red

chanhvinh.com

## Approvals and specifications cont..

**In house test:**
10A 24Vdc—Indicative rating only

UL 20A 250Vac 1hp, 125Vac 1/2hp.
UL 72Vdc 7A, 36Vdc 14A, UL 85°C.

**In house test:**
20A 24Vdc—Indicative rating only

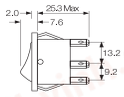
3mm contact gap except if marked μ

## Splash Resistance



**1350 High inrush, positive break switching**
The 1350 series mechanism ensures contact welds formed at
switch-on are positively separated by the plunger tube acting directly on the step in the moving contact.

## Dimensions




Panel thickness
G, H 0.75 to 2.5mm

Terminal spacing - Contacts 10.2 between centres

## Insert Colour

— Blank

**R** Red

**W** White

## Lamp Voltage

— Blank

**2** 125V Neon

**3** 250V Neon

**5** 12Vdc LED (P Rocker)

**6** 24Vdc LED (P Rocker)

**7** 12V Filament

**8** 24Vdc Filament

## Legend

— Blank

**602A**

## Legend Colour

— Blank

**B** Black

**W** White

## Options

Finish
Matt is standard.

Colour
Call sales for custom colours.
A full range is available for large orders.

Legend printing
Select from the examples or call sales for custom legends.

Lamp voltage
Call sales for details.

## Examples



C1553AH - - -



C1550AH - - -

chanhvinh.com

# R13 Round Rocker Switches

10A 250Vac




## Key Features

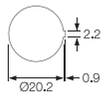
- Miniature round rocker switch
- Ratings up to 10A, 250Vac
- Single & double Contact
- Illuminated & nonilluminated, neon andLED
- Choice of actuators
- Matching indicator
- Panel cut out: 20.2 dia.

## Approvals and specifications

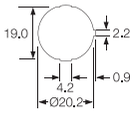
**RoHS compliant**
Single Contact has µ contact gap.

**Special products**
Are made to order and can be supplied with a range of body and rocker / lens colours, print & lamp voltage.

## Dimensions

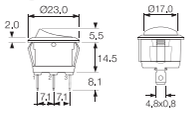



Snap fixing into
2.0 to 3.0mm panels

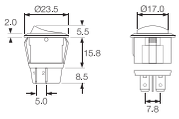



Snap fixing into
0.7 to 3.0mm panels

**Single Contact**




**Double Contact**




**Protective cover L188**



Snaps on to bodies (not R13 211 or R13 112LP), this reduces maximum acceptable panel thickness to 2.4mm.

## Examples



R13 112B NAA




R13 112A AAA



R13 112A2 ---

| R13 | / 112 | / A | / B | / B | / 3 | / 2 | / 602A | / W | / L188 |
|---|---|---|---|---|---|---|---|---|---|
| Series | Type | Function | Body Colour | Rocker Colour | Insert Colour | Lamp Voltage | Legend | Legend Colour | Legend Colour |

chanhvinh.com

## Product details



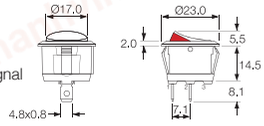
1 2
SP ON - OFF µ
**Cat no.**
**R13 112A AAA**



1 2 3
SP ON - OFF µ
Lit 230V
**Cat no.**
**R13 112B NAC**



1 2
SP ON - OFF µ
Bright colour ON signal
**Cat no.**
**R13 112A2 - -**





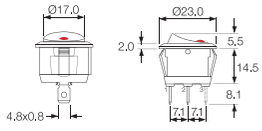

1 2
SP ON - OFF µ
**Cat no.**
**R13 112A AAB**

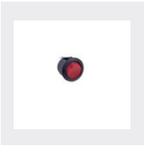


1 2 3
SP ON - ON µ
**Cat no.**
**R13 112C AAA**



1 2 3
SP ON - OFF µ
Lit Window
**Cat no.**
**R13 112B2 - -**



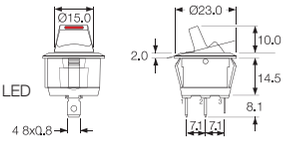
1 2 3
SP ON - OFF µ
Lit 230V
**Cat no.**
**R13 112B NAA**



1 2 3
SP ON - OFF - ON µ
**Cat no.**
**R13 112D AAA**



12 3− 3+
SP ON - OFF µ
Paddle tip has red LED
**Cat no.**
**R13 112LP - -**





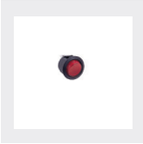

1 2 3
SP ON - OFF µ
Lit 230V
**Cat no.**
**R13 112B NAB**



SP ON - OFF µ
(Momentary ON)
**Cat no.**
**R13 208F AAA***



DP ON - OFF
**Cat no.**
**R13 244A AAA**



DP ON - OFF
Lit 230V
**Cat no.**
**R13 244B NAA**